



argus 300 Projector

Notes

WHEN your projector is not in use, replace the cover on the case. This will keep it free from dust and always ready for immediate use. Do not attempt to take the projection lens apart. It has been carefully assembled and the lenses positioned with extreme accuracy. If the lens is damaged through accidental dropping or misuse, it should be returned to Service Department, Argus Cameras Inc. for repair or adjustment.

The table at right indicates at a glance the proper distance from projector to screen to obtain various projected sizes. Figures are based on standard 35 mm. film frames. Bantam size slides will project slightly larger than double frames.

Projector to Screen Distance (in feet)	Screen Size	
	Single Frame	Double Frame
6	12 x 16"	16 x 24"
12	24 x 32"	32 x 48"
18	36 x 48"	48 x 72"
24	48 x 64"	64 x 96"
30	60 x 80"	80 x 120"

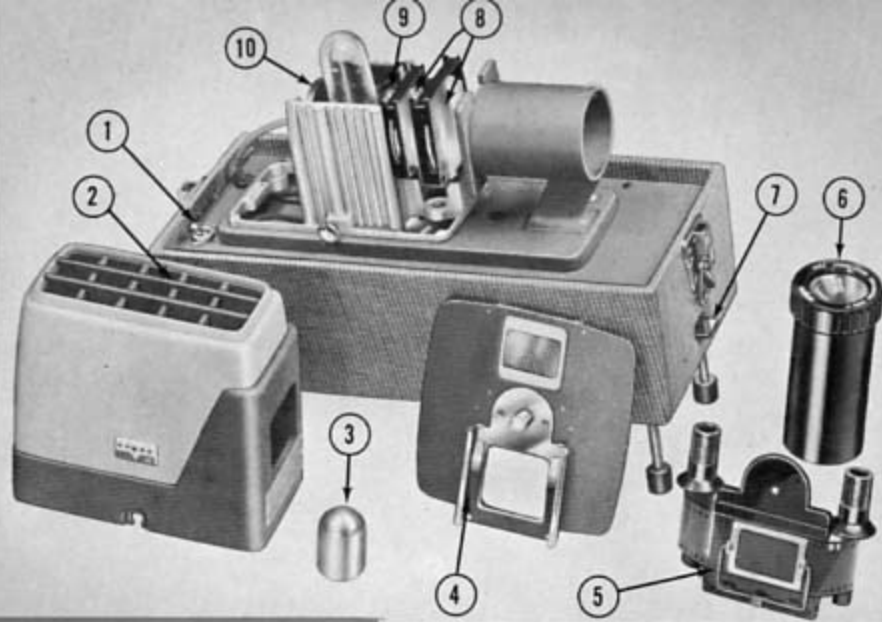
SPECIFICATIONS

LENS: 4" Argus f:3.5 coated, color-corrected anastigmat

LAMP: Standard 300 Watt 115 Volt T-8½ C-13 filament, single contact bayonet base

BLOWER: Fan motor is 50-60 cycle for 110-115 Volts AC current.

SIZE: 13 x 6 x 11 inches. Weight 11.5 pounds.



argus

300 Projector

YOU will enjoy showing your highly prized color slides best with your new Argus 300 Projector. You and your audience will see every fine detail on the screen in brilliant, true color and clear outline.

In these pages you will find detailed information on the use and care of your new Argus Projector.

Special Features

1 CONVENIENT LAMP SWITCH

operates independently of blower. Blower starts automatically when Projector is plugged into electrical outlet and continues cooling as long as connected.

2 DIE-CAST METAL LAMP HOUSING

scientifically designed . . . gives ultimate in protection to lamp and lenses.

3 LAMP CAP

reduces light reflection from lamp housing.

4 ROTARY-TYPE SLIDE CARRIER

takes slides right side up . . . either standard slides or Bantam 828, in 2 x 2 inch cardboard or glass mounts.

5 FILM STRIP HOLDER,

available as an accessory, permits using 35 mm. single or double frame film strips.

**6 TRIPLET ANASTIGMAT 4" f:3.5
COATED PROJECTION LENS**

gives sharp, brilliant true color pictures.

7 TILT ADJUSTMENT LEVER

simplifies centering pictures on the screen and allows the Projector to be used on slanted surfaces.

8 OVERSIZE CONDENSER LENSES

insure even distribution of light for perfect corner-to-corner illumination.

**9 HEAT-ABSORBING CONDENSER
LENS**

protects slides, balances light for true-color reproduction.

**10 ACCURATELY POSITIONED
REFLECTOR**

concentrates light for added brilliance.

How to Operate



BLOWER starts cooling automatically when Projector is plugged into electrical outlet. Slides are inserted in Rotary Carrier right-side-up—the way you look at them, white side facing rear. To bring the slide into projecting position, rotate slide carrier clockwise a half turn in the direction of arrow.



THE switch for turning on the projector lamp is conveniently placed at the rear of the Projector. By sliding the lens barrel, the picture is brought into sharp focus. Use a twisting motion for smooth and rapid operation.

the Argus 300



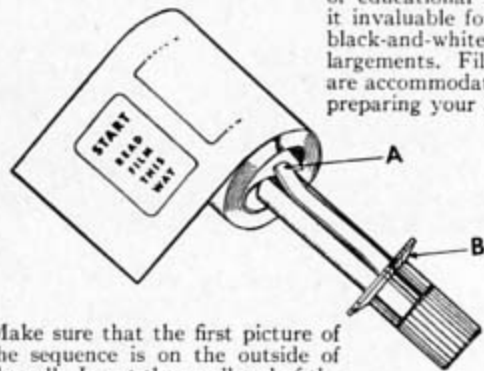
TO RAISE or lower Projector squeeze Tilt Adjustment Lever in front of Projector as shown. Release pressure at desired height and legs will automatically retain position.



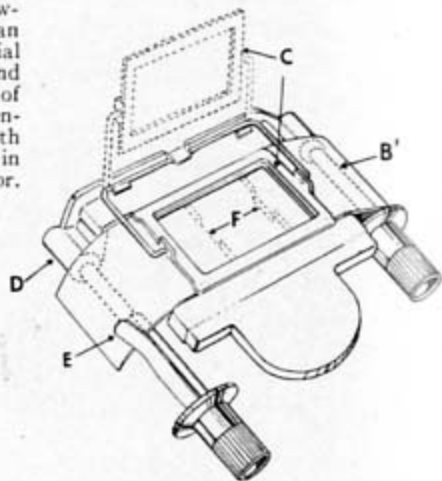
INSERT second slide and again rotate slide carrier in direction of arrow. First slide will eject partially for convenience in removing. Always set Projector on a flat hard surface resting on its feet so that air passes freely under the Projector at all times.

Using the Argus 35m

A unique advantage of your Argus Projector lies in its ability to show film strips by using the low-cost Argus film strip adapter, available as an accessory. Though usually used with commercial or educational film strips, many amateurs find it invaluable for use in checking the quality of black-and-white negatives before making enlargements. Film strips up to 10 feet in length are accommodated. Follow these instructions in preparing your adapter for placing in projector.



Make sure that the first picture of the sequence is on the outside of the roll. Insert the small end of the spool into the roll of film, at the same time engaging the inside end of the film under the spring on the spool (A). Slide the film right up to the flange on the spool (B). Hold the film while turning the spool to tighten up the roll of film. Place the spool on the top spindle (B').



Lift the pressure pad and place film in the track provided for it (C). Let the pressure pad down on film. Lay the end of the film next to the empty spindle (D). Slide the empty spool on the spindle and insert end

of the film under the spring on the spool (E). Slide masking blades to adjust for single or double-frame size on film (F). To remove film after showing, rewind onto the original spool.

8mm Film Strip Adapter

REMOVE Rotary Slide Carrier from Projector by pulling it *up*. Keep it in a safe place so as not to injure its smooth action. Place film strip adapter on Projector as illustrated below.



VERTICAL PROJECTION—

Slide the film strip attachment onto the bracket provided, from the *right side*. NOTE: Be sure the lens barrel is extended.



HORIZONTAL PROJECTION—

Slide the film strip attachment onto the bracket provided, from *above*. NOTE: Be sure the lens barrel is extended.



TO CHANGE PICTURE—

Turn knob of take-up spool counter-clockwise until next picture is centered on the screen. To remove film, rewind onto the original spool as shown.

Care of Your Argus



TO replace the lamp, loosen the screws at the side of the lamp housing and lift it off. The lamp is the bayonet-type. Lift off metal cap and press bulb down and turn $\frac{1}{4}$ turn counter-clockwise to remove. Place new lamp in position by locating lugs in slot of socket. Then press down gently, and turn clockwise until lamp is held firmly. Transfer the metal cap to the new lamp.

ARGUS 300 Projector uses the standard 300 Watt T-8 $\frac{1}{2}$ C-13 filament lamp, single contact, bayonet base. Projector operates only on 50-60 cycle, A.C. current. Keep a spare lamp on hand. It should be replaced periodically when it becomes blackened from use in order to keep the projector brilliance at its peak . . . This will insure maximum efficiency and greater enjoyment from projecting your slides.

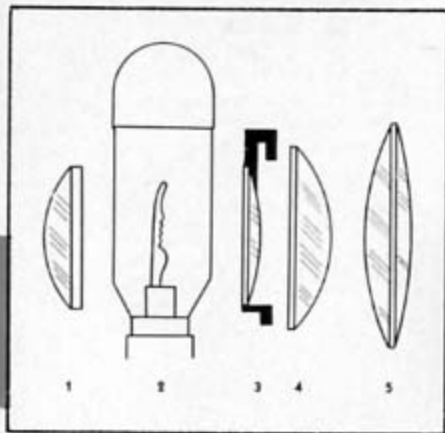


TO remove condensers for cleaning, first remove the lamp housing as for replacing the lamp. Then remove the spring steel locking device, which holds the condensers securely in position, by separating the corners.



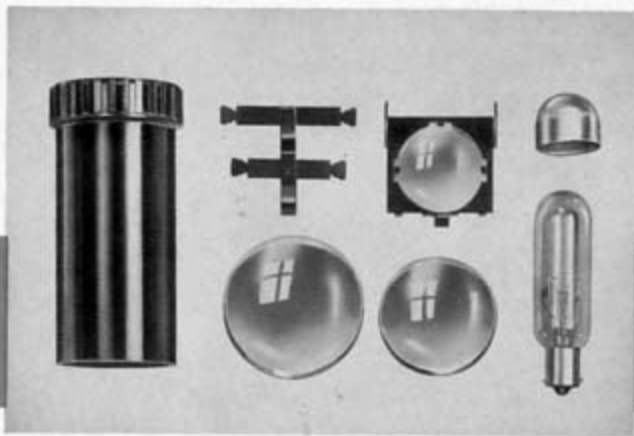
THE condensers can now be lifted out. Before removing, note carefully their positions. Be sure to replace them in the original positions with each curved surface facing as before. **NOTE:** To clean, use lens tissue, a lintless cloth or a camel hair brush to avoid scratching the lens surfaces.

300 Projector



1. Reflector. 2. Lamp. 3. Heat condenser in mount. 4. Small condenser. 5. Large condenser.

The proper position of each condenser is shown in the diagram above. In replacing them after cleaning make sure that the curved surfaces face in the same direction as shown.



The two front condensing lenses are removed completely from their mounts when cleaning. The small rear heat absorbing condenser is never removed from its metal mount, but the entire mount is removable for cleaning purposes. In replacing be sure to hook entire mount inside the casting as before. Be sure to clean the reflector and projection lens when cleaning the condensing lenses. Dirty, and particularly finger-printed lenses and reflectors can reduce picture brightness by half.